

CLAIMS

1. Device for conditioning of objects in plastic material, having a length (L1), comprising:
  - a rotating turret (20);
  - 5    - a group of conditioning cavities (22), provided with respective opening for the insertion of said objects, defining the first and second cavities;
  - a first (A) side of the turret on which the respective insertion openings of the first cavities are located and
  - a second (B) side of the turret facing the first side (A) on which are located
  - 10    the respective insertion openings of the second cavities, characterised by the fact that the first conditioning cavities (22) are located in such a way as to be side by side with the second cavities for at least part of their own length (L1).
2. Device as claimed in Claim 1, wherein the turret comprises a box-like structure
- 15    including an external casing and each conditioning cavity (22) is enclosed in a respective individual casing (21) contained in turn inside the box-like structure.
3. Device as claimed in Claim 2, wherein the individual casings (21) are designed to contain a conditioning fluid for the conditioning cavities (22).
4. Device as claimed in Claim 1, wherein the box-like structure contains at least a
- 20    conditioning fluid circulation circuit acting operationally on the conditioning cavities.
5. Device as claimed in Claim 4, wherein the first conditioning cavities are adjacent on both sides, following the directions of said lines and said columns, with one of said second cavities (22).
- 25    6. Device as claimed in one or more of the previous claims, wherein handling means are provided designed to rotate the turret (20) at least around the rotational axis (AR) so as to face each time at least around the rotational axis (AR), so as to turn each time predetermined reference direction of the said first (A) or said second side (B).
- 30    7. Device as claimed in Claim 6 wherein the handling means are intended to translate the turret in order to vary the alignment of the conditioning cavities.
8. Moulding equipment for plastic objects, including the conditioning device as in

Claim 1.

9. Equipment according to Claim 8, wherein there is provided handling means designed to tilt said turret so as to turn each time upwards or downwards towards said first (A) or said second side (B).

5 10. Conditioning method of a plurality of moulded objects in plastic material, characterised by the fact of including the following operations:

- arrange said first side (A) of the conditioning device (20) according to one or more claims from 1 to 8 turned upwards;

10 - introduce the rotating turret in the middle of the two open halves (S) of a warm forming mould;

- transfer at least one group of moulded objects, resulting from a press operation, from said mould in which they have been formed, to said rotating turret so as to refill at least a part of said conditioning cavities of said first side (A);

15 - extract the rotating turret from the two said open halves of the mould;

- tilt the rotating turret so that said second side (B) is turned upwards.

11. Method as claimed in Claim 10, wherein the following operations are foreseen:

- reintroduce at least a second time the rotating turret (20) into the middle of the two open halves of said mould;

20 - transfer at least a second group of moulded objects, resulting from a successive pressing cycle, from said mould in which they have been formed, to said rotating turret so as to refill at least a part of the conditioning cavities of said second side (B) of the turret.